



E072.1070.1 (50718.0008.5)  
Serial No.: 10/566,866

IFW

# CERTIFICATE OF MAIL

Date of Deposit : October 18, 2006

Type of Documents : Information Disclosure Statement  
USPTO Form SB/08A  
F1-F1 documents and A1-A29 documents  
Transmittal Letter  
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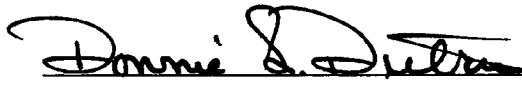
Title: : Antigen Delivery System

Serial No. : 10/566,866

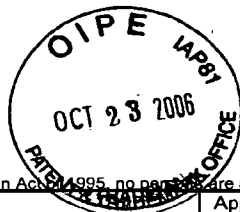
Filing Date: : February 2, 2006

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Donnie S. Dietrich

WCSR 3458280v1



PTO/SB/21 (09-06)  
Approved for use through 03/31/2007. OMB 0651-0031  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/566,866
Filing Date	02-02-2006
First Named Inventor	WERLING, Dirk
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	E072.1070.1 (50718.0008.5)

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<div>Remarks</div> <div>Customer No. 26158</div>		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Womble Carlyle Sandridge & Rice, PLLC		
Signature			
Printed name	David S. Bradin		
Date	October 18, 2006	Reg. No.	37,783

### CERTIFICATE OF TRANSMISSION/MAILING

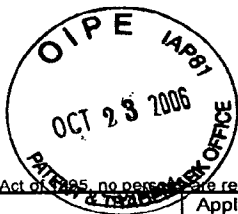
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Signature			
Typed or printed name	Donnie S. Dietrich	Date	October 18, 2006

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/566,866
Filing Date	02-02-2006
First Named Inventor	WERLING, Dirk
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	E072.1070.1 (50718.0008.5)

**ENCLOSURES (Check all that apply)**

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|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br><input type="checkbox"/> Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
|---|--|--|
- Remarks**  
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Signature			
Printed name	David S. Bradin		
Date	October 18, 2006	Reg. No.	37,783

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**PATENTS**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:	)	
	)	
Werling, Dirk.	)	Examiner: unassigned
	)	
Serial No.: 10/566,866	)	Art Unit: Unassigned
	)	
Filed: February 2, 2006	)	Docket No.: E072.1070.1
	)	(50718.0008.5)
For: Antigen Delivery System	)	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

Applicants hereby voluntarily disclose the references listed on the attached Form PTO/SB/08A and /08B, pages 1-3, and enclose a CD with all documents included for the convenience of the Examiner, to the Assistant Commissioner for Patents.

Applicants further reserve the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as the representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

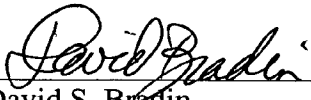
WCSR 3458276v1

It is respectfully requested that the Examiner initial and return copies of the enclosed PTO-1449 and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

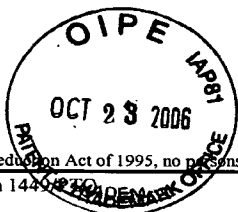
If a fee is due, the Commissioner is hereby authorized to charge the fee(s) to Deposit Account No. **09-0528**. This Information Disclosure Statement is submitted in duplicate.

Respectfully submitted,

Date: 10/18/06

  
\_\_\_\_\_  
David S. Bradin  
Attorney for Applicant  
Reg. No. 37,783

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PTO/SB/08A (08-03)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application Number	10/566,866	
				Filing Date	02-02-2006	
				First Named Inventor	WERLING, Dirk	
				Art Unit	Unassigned	
Sheet 1 of 3				Examiner Name	Unassigned	
				Attorney Docket Number	E072 1010.1 (50718.0008.5)	
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	US 1	2002/187131 A1	Dec. 12, 2002	Hawiger, et al		
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
	F1	WO 03/040169 A2 & A3	May 15, 2003	Medarex, Inc.		
	F2	WO 01/64752 A2	Sep. 7, 2001	New York Univ.		
	F3	WO 02/20050 A2 & A3	Mar. 14, 2002	Akzo Nobel		
	F4	WO 2004/092195 A2	Oct. 28, 2004	Administrators of the Tulane Educational Fund		
Examiner Signature				Date Considered		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 27 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

WCSR 3452360v1

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			<b>Complete if Known</b>		
			<b>Application Number</b>	10/566,866	
			<b>Filing Date</b>	02-02-2006	
			<b>First Named Inventor</b>	WERLING, Dirk	
			<b>Art Unit</b>	Unassigned	
			<b>Examiner Name</b>	Unassigned	
Sheet	2	of	3	<b>Attorney Docket Number</b>	E072 1070.1

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or county where published.	T <sup>2</sup>
	A-1	Geijtenbeek <i>et al</i> (2000a) <i>Cell</i> <b>100</b> , 575-585	
	A-2	Geijtenbeek <i>et al</i> (2000b) <i>Cell</i> <b>100</b> , 587-597	
	A-3	Geijtenbeek <i>et al</i> (2002a) <i>J. Biol. Chem.</i> <b>277</b> , 11314-11320.	
	A-4	Geijtenbeek <i>et al</i> (2002b) <i>J. Leukoc. Biol.</i> <b>71</b> , 921-931	
	A-5	GenBank Accession No. AF033818	
	A-6	GenBank Accession No. AF091605	
	A-7	GenBank Accession No. AF145967	
	A-8	GenBank Accession No. AF373408	
	A-9	GenBank Accession No. AF391086	
	A-10	GenBank Accession No. AY078913	
	A-11	GenBank Accession No. NC_001781	
	A-12	GenBank Accession No. NC_001989	
	A-13	GenBank Accession No. NM_021155	
	A-14	GenBank Accession No. NM_133238	
	A-15	Haeberle, HA <i>et al</i> (2002) <i>J Infect Dis</i> <b>186</b> : 1199-1206	
	A-16	Haynes, LM <i>et al</i> (2001) <i>J Virol</i> <b>75</b> : 10730-10737	
	A-17	R Julian S Duncan <i>et al</i> , (1983) <i>Anal. Biochem.</i> <b>132</b> , 68-73	
	A-18	Stefan H E Kaufmann and Ulrich E Schiabile (2003) <i>J Exp Med</i> <b>197</b> (1), 1-5	
	A-19	Kurt-Jones, EA <i>et al</i> (2000) <i>Nat Immunol</i> <b>1</b> : 398-401	
	A-20	Nestle, FO (2002) <i>Clinical &amp; Experimental Dermatology</i> <b>27</b> (7), 597-601	
	A-21	O'Sullivan <i>et al Anal. Biochem.</i> (1979) <b>100</b> , 100-108	
	A-22	OIE (Office International des Epizooties; www.oie.int) Classification of Diseases: Lists A and B	
	A-23	Steinman <i>et al</i> (1997) <i>Immunol. Rev.</i> <b>156</b> , 25-37	

# **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or county where published.	T <sup>2</sup>
	A-24	Tailleux <i>et al</i> (2003) <i>J. Exp. Med.</i> 197, 121-127	
	A-25	van Kooyk & Geijtenbeek (2002) <i>Immunol. Rev.</i> 186, 47-56	
	A-26	Werling, D <i>et al</i> (1999) <i>J Leukoc Biol</i> 66: 50-58	
	A-27	Werling, D <i>et al</i> (2002) <i>J Leukoc Biol</i> 72: 297-304	
	A-28	Werling, D <i>et al</i> (2004) <i>Immunology</i> 111: 41-52	
	A-29	Werling & Jungi (2003) <i>Vet. Immunol. Immunopathol.</i> 91, 1-12	
	A-30		
	A-31		
	A-32		
	A-33		
	A-34		
	A-35		
	A-36		

Examiner Signature	/Michelle Horning/	Date Considered	03/27/2009
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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